Three-year index of articles

A complete index of articles published in Power Transmission Design *during 1975, 1976, and 1977. Lengths of articles, in pages, appear in parentheses after the titles. The index does not include listings in our Annual January Product Specification Issues and in monthly Techlit Reviews, and shorter articles published in our regular departments. Photocopies of articles are available at ten cents a sheet. Limited quantities of magazines are available at $1.50 each. Minimum order for photocopies and magazines is $2.00. Remittance must accompany all orders of less than $25.00. Make out your check to* Power Transmission Design, *P.O. Box 5748-U, Cleveland OH 44101. Out-of-print copies of the magazine are available in complete volumes as positive microfilm from University Microfilms, 300 N. Zeeb Rd., Ann Arbor MI 48103.*

ADJUSTABLE-SPEED DRIVES

Title, length — **Month, page**

1975

Adjustable-speed drive controls printing press (2/3) ..... May 78
Solid-state control of electric drives—Part 1 (2) ..... Jun 58
Closed-loop differential drive simplifies strip processing (3) .. Aug 41
Fluid drives reduce ore conveyor costs (1) ..... Oct 65
From ice cream to red hot shovel heads (1) ..... Oct 73
Today's traction drives (9) ..... Nov 41
Solid-state industrial power and control come of age (3) ..... Nov 50
D.c. drive modules power printing press (2) ..... Nov 56

1976

Historical highlights of adjustable-speed drives (2) ..... Jan 40
Constant tension drives speed vinyl production (4) ..... Feb 47
Solid state control of electric drives—Part 2 (3) ..... Feb 56
Choosing the right power-shift transmission for mobile equipment (3) ..... May 40
Solid state control of electric drives—Part 3 (2) ..... Jun 66
Hydrostatic drive takes wrap in paper-tube caper (2/3) ..... Jul 49
Adjustable-frequency drive runs new knitting machine (1) ..... Oct 77
Drive simulates jet engine (1) ..... Oct 85
Solid state control of electric drives—Part 4 (2) ..... Oct 96
HVD versatility expands in industrial applications (3) ..... Nov 43
Adjustable-speed gear drive (2) ..... Nov 46
Solid state control of electric drives—Part 5 (4) ..... Nov 51
Hydraulic motors drive straddle transporter (2) ..... Dec 51

1977

Gearbox test stand cuts energy costs (3) ..... Jan 34
Solid state control of electric drives — Part 6 (3) ..... Feb 41
5-axis machining center is power-transmission showcase (2) .. Apr 58
Solid state control of electric drives — Part 7 (3) ..... May 48
Saving energy with industrial drive systems (1-2/3) ..... May 52
Upgrading overhead crane drives (4) ..... Jun 63
Solid-state control of electric drives — Part 8 (2) ..... Jun 70
Drives to power train positioner-dumpers (4) ..... Aug 35
Stepless transmission uses noncircular gears (2) ..... Aug 42
Adjustable-frequency drive controls waste feed rate (1) ..... Oct 59
Adjustable-speed drive helps handicapped adjust (1/2) ..... Oct 67
Adjustable-speed couplings control boiler fan speed (1/2) ..... Oct 67
100 years in review: Industrial traction drives (2) ..... Oct 99
Mechanical drives set speed on big and little jobs (4) ..... Nov 33
Traction drives update (6) ..... Nov 37
What is a cone-disc adjustable speed drive? (2) ..... Dec 62

BELT DRIVES

Title, length — **Month, page**

1975

Maintaining V-belt drives (3) ..... Apr 55
Nomograph solves belt geometric problems (2) ..... Apr 64
Drive components that run a V-belt life tester (2) ..... Aug 45
How the application selects the drive component (1-2/3) ..... Sep 64
Fluid drives reduce ore conveying costs (1) ..... Oct 65

1976

Historical highlights of belt drives (2) ..... Jan 24
Drives help the ancient windmill go mod (3) ..... Mar 56
Evaluating special V-belt sheaves (3) ..... Apr 57
Synchronous belting speeds letter sorting (2) ..... Apr 60
Nomograph gives maximum rated speed for flywheels and pulleys (2) ..... Apr 62
How and when belts should be tested (2/3) ..... Sep 44

1977

How to design V-belt drives (4) ..... Apr 47
Open-end plastic belting ends maintenance melee (2) ..... Apr 51
Clutching V-belt drives for lawn and garden (2) ..... Sep 64
V-flat drives rejuvenate 41-year-old compressors (1) ..... Oct 63

BEARINGS

Title, length — **Month, page**

1975

How to care for needle roller bearings—Part 1 (4) ..... Feb 46
How to care for needle roller bearings—Part 2 (3) ..... Apr 58
Geared aerators help stream management (3) ..... May 75
B-1 bomber: The Teflon bearings story (4) ..... Jul 41
Monitoring sleeve bearing and oil temperature (1-1/3) ..... Jul 45
Polycrystalline diamond cuts fiber glass bearings (1) ..... Jul 46
Pneumatic seals protect rolling-element bearings (1) ..... Jul 47
Load cells in bearings keep efficiency watch (1) ..... Jul 48
D.c.-motor powered gears churn angry seas (2) ..... Aug 47
Thin-section bearings help wind motor stators (2) ..... Aug 50
What is a rolling-element linear-motion bearing? (4) ..... Sep 52
How the application selects the drive component (1-2/3) ..... Sep 64
Oil-containing poly matrix can replace bearing grease (2) ..... Sep 66
Stamped rod ends trim recreational vehicle cost (1) ..... Nov 58

1976

Historical highlights of plain bearings and lubricants (1) ..... Jan 32
Historical highlights of rolling-element bearings (2) ..... Jan 44
Aerosol lubricant helps run-in gears and bearings (1) ..... Feb 59
Machine noise: What to do about it (4-1/3) ..... Apr 53
Understanding large bearings (4) ..... Jul 41
Mounted rolling bearings in power transmission—Part 1 (3) .. Jul 45
Eight ways to stop rolling bearing failure—Part 1 (4) ..... Aug 48
Pump-rig rebuilders like self-lube materials (1) ..... Oct 79
Ball screws tilt steel tundish cars (1) ..... Oct 83
Mounted rolling bearings in power transmission—Part 2 (4) .. Oct 89
Eight ways to stop rolling bearing failure—Part 2 (3) ..... Dec 53

1977

Applying microcomputers to power transmission tests — Part 1 (4) ..... Feb 37
Applying microcomputers to power transmission tests — Part 2 (3) ..... Apr 53
5-axis machining center is power-transmission showcase (2) .. Apr 58
Upgrading overhead crane drives (4) ..... Jun 63
Rolling-element bearing restoration by grinding (4-1/2) ..... Jul 33
Bearing testing method checks shock energy (2) ..... Jul 38

CHAIN DRIVES

Title, length — **Month, page**

1975

Phase-adjusting hub keeps colors in line (2-1/3) ..... Feb 41
Meeting metric—Chain drive in CGS and SI (1-1/3) ..... May 86
Chain drive spins Ohio coal breakers (1) ..... Aug 52

1976

Historical highlights of chain drives (1) ..... Jan 22
Brakemotors move can conveyors softly (3) ..... Mar 47
Multiple-drive conveyor: Sprag clutches keep it going (2) .... Mar 50
Toothless sprocket turns chain-driven table (1-1/3) ..... Sep 49

1977

Roller chain — a versatile power transmission tool (3-1/3) ... Sep 45
Silent chain — an old drive getting its second wind (4) ..... Sep 48
Chain contributes to spin-the-auto machine (1) ..... Sep 52
Metrication trends in motors, chains, and gears (1) ..... Sep 66
ISO standards for roller chain (2/3) ..... Sep 78

MOTORS, ENGINES, AND ACTUATORS

Title, length — **Month, page**

1975

Rotary actuator helps stop rocking the boat (2) ..... Feb 50
Remote controls simplify mobile hydrostatic drives (3) ..... Mar 44
Turbine and reducer team up in missile actuator (2) ..... Apr 66
Modular design eases troubleshooting of lift truck motor controls (3) ..... Jun 55
Solid state control of electric drives—Part 1 (2) ..... Jun 58
Torque actuators bend bumpers (1-1/3) ..... Jun 60
Product standardization: Series approach (4-1/3) ..... Jun 61
Closed-loop differential drive simplifies strip processing (3) .. Aug 41
D.c.-motor powered gears churn angry seas (2) ..... Aug 47
Thin-section bearings help wind motor stators (2) ..... Aug 50
Fluid drives reduce ore conveying costs (1) ..... Oct 65
Electric motors help ecology (1/2) ..... Oct 71
Solid-state industrial power and control come of age (3) ..... Nov 50
Adjustable frequency for multimotor drive controls (3) ..... Nov 53
D.c. drive modules power printing presses (2) ..... Nov 56

1976

Historical highlights of electric motors (2) ..... Jan 36
How to select d.c. servomotors (4) ..... Feb 52
Brakemotors move can conveyors softly (3) ..... Mar 47
Machine noise: What to do about it (4-1/3) ..... Apr 53
Hydraulic motors take to outdoors (2) ..... May 43
Fhp motors team up on rim-drilling machine (2-1/3) ..... Jun 55
High starting torque can cost you (1-2/3) ..... Jun 57
How unbalanced voltage affects a.c. motors (4) ..... Jun 60
Modular overload relays protect a.c. motors (2) ..... Jun 65
Solid state control of electric drives—Part 3 (2) ..... Jun 66
How to get safe starts on 3-phase motors (3) ..... Jun 68
Hollow motors drive weld wires (1) ..... Jun 71
Ball screws tilt steel tundish cars (1) ..... Oct 83
Hydraulic motors drive straddle transporter (2) ..... Dec 51

1977

Power transmission and the energy outlook (9) ..... Jan 17
What's happening to industrial motors? (4) ..... Feb 33
Solid-state control of electric drives — Part 6 (3) ..... Feb 41
Monitoring load by detecting motor slip (2) ..... Feb 44
Solid-state control of electric drives — Part 7 (3) ..... May 48
Upgrading overhead crane drives (4) ..... Jun 63
What to look for in a wet-fan drive (1-1/3) ..... Jun 67
Motors are protected in meat-packing plant (1-2/3) ..... Jun 68
Solid-state control of electric drives — Part 8 (2) ..... Jun 70
Air motors can be easy on the ear (1) ..... Jun 72
Wanlass motors: A factor in producing efficient motors? (1-1/3) Jul 44
Drives to power train positioner-dumpers (4) ..... Aug 35
Motor selection for special environments (2/3) ..... Sep 62
Rising energy costs affect power transmission (1) ..... Sep 63
Metrication trends in motors, chains, and gears (1) ..... Sep 66
Ball bearing screw gives stacker crane a lift (1) ..... Oct 65
Testimony on motors to Senate committee (2) ..... Oct 105
Drive ideas flow from center-pivot irrigation (3) ..... Dec 59
Wishful thinking won't change basics of mechanics (1) ..... Dec 64

CLUTCHES, BRAKES, COUPLINGS, U-JOINTS, FLEXIBLE SHAFTS

Title, length — **Month, page**

1975

Centrifugal clutch has gentle touch (3) ..... Mar 40
Tough path to follow? Try a flexible shaft (3) ..... May 69
Using controlled stiffness and isolation in drives (3-1/2) ..... May 72
Motion control: Old but ever new (1) ..... Sep 68
Fluid drives reduce ore conveying costs (1) ..... Oct 65
Electric brakes go to sea (1) ..... Oct 69
Flexible coupling cuts car wash maintenance (1/2) ..... Oct 71
Clutch/brakes and photoelectrics package the goods (1) ..... Oct 75
Flexible shaft hits the spot (1) ..... Nov 59

1976

Historical highlights of shaft-joining devices (2) ..... Jan 28
Historical highlights of clutches (1) ..... Jan 34
Brakemotors move can conveyors softly (3) ..... Mar 47
Multiple-drive conveyor: Sprag clutches keep it going (2) .... Mar 50
Nomograph finds disc-clutch torque (2) ..... Mar 52
Machine noise: What to do about it (4-1/3) ..... Apr 53
Troubleshoot driveshafts and universal joints (3) ..... May 37
Flexible couplings: What you can get (1) ..... Sep 45
Glove maker has twin clutch-brake modules (1) ..... Oct 75
Single-coil clutch-brake cuts energy and backlash (1-2/3) .... Oct 98

1977

Get acquainted with wrapped-spring clutches (4) ..... Mar 35
Steel tubing drawbench uses electric disc brakes (1) ..... Mar 39
Electromagnetic clutches help sculpture carpets (2) ..... Mar 40
Select clutches that conserve energy (1-1/3) ..... Mar 42
What is a flexible coupling? (4) ..... May 37
Link couplings let side trimmer into line (2) ..... May 41
Flexible coupling absorbs furnace skip-hoist shock (1-1/3) ... May 46
Flexible shaft is milkshake marvel (2/3) ..... May 47
Upgrading overhead crane drives (4) ..... Jun 63
New shaft design standard coming: Work still needed (4) .... Jun 73
Marine drive designers meet supercarrier challenge (3) ..... Aug 39
Flexible shafting makes counting money easy (1) ..... Oct 61
Adjustable-speed couplings control boiler fan speed (1/2) .... Oct 67
Shaft collar design: Getting a grip on things (2) ..... Oct 69
Electromagnetic brakes stop the film (1) ..... Oct 103

GEAR DRIVES

Title, length — **Month, page**

1975

Phase-adjusting hub keeps colors in line (2-1/3) ..... Feb 41
Program your calculator for gear drive problems—Part 1 (3) .. Apr 61
Turbine and reducer team in missile actuator (1-2/3) ..... Apr 66
Geared aerators help stream management (3) ..... May 75
Program your calculator for gear drive problems—Part 2(2) ... Jul 49
Closed-loop differential drive simplifies strip processing (3) .. Aug 41
D.c.-motor powered gears churn angry seas (2) ..... Aug 47
Coated gears shrug at temperature extremes (3) ..... Sep 49
Modular gear drives give trucks a lift (1) ..... Oct 67
Program your calculator for gear drive problems—Part 3 (1-2/3) Oct 80
Bandsaw control system has automatic operation (2) ..... Dec 33

1976

Historical highlights of gearing (2) ..... Jan 18
Constant tension drives speed vinyl production (4) ..... Feb 47
Aerosol lubricant helps run-in gears and bearings (1) ..... Feb 59
Program your calculator for gear drive problems—Part 4 (2) . Mar 54
Drives help the ancient windmill go mod (3) ..... Mar 56
Machine noise: What to do about it (4-1/3) ..... Apr 53
Program your calculator for gear drive problems—Part 5 (1-2/3) May 47
Understanding large bearings (4) ..... Jul 41
Frictional locking devices mount reducers on shafts (3) ..... Aug 41
Continuous casting machine is gear drive showcase (2) ..... Aug 44
Worm gearmotors: Check their low-speed efficiency (2) ..... Aug 46
P/M gears come of age (4) ..... Sep 37
Why gears make noise (1) ..... Sep 48
Helicopter transmission is research aid (1) ..... Oct 81
Program your calculator for gear drive problems—Part 6 (2) .. Oct 94
Adjustable-speed gear drive (2) ..... Nov 46

1977

Gearbox test stand cuts energy costs (3) ..... Jan 34
Program your calculator for gear drive problems — Part 7 (2) Mar 44
5-axis machining center is power-transmission showcase (2) . Apr 58
Program your calculator for gear drive problems — Part 8 (3) May 43
Drives to power train positioner-dumpers (4) ..... Aug 35
Marine drive designers meet supercarrier challenge (3) ..... Aug 39
Stepless transmission uses noncircular gears (2) ..... Aug 42
Concentric-shaft reducers on log conveyors (3) ..... Aug 44
Special lubricant and coating extend gear life (1) ..... Aug 48
Program your calculator for gear drive problems — Part 9 (3-1/3) Aug 49
A report on the World Congress on Gearing (3-2/3) ..... Sep 55
Metrication trends in motors, chains, and gears (1) ..... Sep 66
Mechanical drives set speed on big and little jobs (4) ..... Nov 33
Drive ideas flow from center pivot irrigation (3) ..... Dec 59

LUBRICANTS AND SEALS

Title, length **Month, page**

1975

How to care for needle roller bearings—Part 2 (3) ..... Apr 58
Monitoring sleeve bearing and oil temperature (1-1/3) ..... Jul 45
Coated gears shrug at temperature extremes (3) ..... Sep 49
What is stick-slip? (1/2) ..... Sep 55
Oil-containing poly matrix can replace bearing grease (2) .... Sep 66

1976

Historical highlights of plain bearings and lubricants (1) ..... Jan 32
Aerosol lubricant helps run-in gears and bearings (1) ..... Feb 59
Ferrofluid seals help eliminate contaminants and leaks (1) .... Jul 48
P/M gears come of age (4) ..... Sep 37
Centralized lube methods: Characteristics and limits (2) ..... Sep 46
How to select radial lip seals—Part 1 (3) ..... Nov 48
Eight ways to stop rolling bearing failure—Part 2 (3) ..... Dec 53
How to select radial lip seals—Part 2 (2) ..... Dec 56

1977

How to select radial lip seals — Part 3 (2) ..... Feb 46
How to select radial tip seals — Part 4 (3) ..... Apr 60
How to select radial lip seals — Part 5 (2) ..... Jul 40
Special lubricant and coating extend gear life (1) ..... Aug 48
A report on the World Congress on Gearing (3-2/3) ..... Sep 55
Drive ideas flow from center-pivot irrigation (3) ..... Dec 59

CONTROLS

Title, length **Month, page**

1975

Rotary actuator helps stop rocking the boat (2) ..... Feb 50
Controlling Power Transmission Systems, Power Transmission and control, why and how—Part 1 (3) ..... Mar 37
Remote controls simplify mobile hydrostatic drives (3) ..... Mar 44
Turbine and reducer team up in missile actuator (2) ..... Apr 66
Controlling Power Transmission Systems, Control principles and concepts—Part 1 (3) ..... May 65
Modular design eases troubleshooting of lift truck motor controls (3) ..... Jun 55
Solid state control of electric drives—Part 1 (2) ..... Jun 58
Controlling Power Transmission Systems, Control principles and concepts—Part 2 (3) ..... Jun 67
Controlling Power Transmission Systems, Definitions and standards—Part 1 (4) ..... Jul 29
Monitoring sleeve bearing and oil temperature (1-1/3) ..... Jul 45
Load cells in bearings keep efficiency watch (1) ..... Jul 48
Closed-loop differential drive simplifies strip processing (3) .. Aug 41
Drive components that run a V-belt life tester (2) ..... Aug 45
Controlling Power Transmission Systems, Definitions and standards—Part 2 (3) ..... Aug 59
Controlling Power Transmission Systems, Characteristics of machine and process variables—Part 1 (4) ..... Sep 43
Clutch/brakes and photoelectrics package the goods (1) ..... Oct 75
Controlling Power Transmission Systems, Characteristics of machine and process variables—Part 2 (4) ..... Oct 117
Solid-state industrial power and control come of age (3) ..... Nov 50
Adjustable frequency for multimotor drive controls (3) ..... Nov 53
D.c. drive modules power printing presses (2) ..... Nov 56
Controlling Power Transmission Systems, Characteristics of machine and process variables—Part 3 (4) ..... Nov 71
Bandsaw control system has automatic operation (2) ..... Dec 33
Controlling Power Transmission Systems, Characteristics of machine and process variables—Part 4 (3) ..... Dec 37

1976

Controlling Power Transmission Systems, Automatic process control model—Part 1 (3) ..... Jan 123
Controlling Power Transmission Systems, Automatic process control model—Part 2 (4) ..... Feb 35
Constant tension drives speed vinyl production (4) ..... Feb 47
How to select d.c. servomotors (4) ..... Feb 52
Solid state control of electric drives—Part 2 (3) ..... Feb 56
Drives help the ancient windmill go mod (3) ..... Mar 56
Controlling Power Transmission Systems, Automatic process control model—Part 3 (4) ..... Mar 63
Controlling Power Transmission Systems, Open- and closed-loop principles—Part 1 (5) ..... Apr 69
Controlling Power Transmission Systems, Open- and closed-loop principles—Part 2 (4) ..... May 53
Modular overload relays protect a.c. motors (2) ..... Jun 64
Solid state control of electric drives—Part 3 (2) ..... Jun 66
How to get safe starts on 3-phase motors (3) ..... Jun 68
Controlling Power Transmission Systems, Electrical considerations in control systems—Part 1 (4) ..... Jun 73
Controlling Power Transmission Systems, Electrical considerations in control systems—Part 2 (4) ..... Jul 51
Controlling Power Transmission Systems, Electrical considerations in control systems—Part 3 (4) ..... Aug 69
Controlling Power Transmission Systems, Electrical considerations in control systems—Part 4 (3) ..... Sep 69
Glove maker has twin clutch-brake modules (1) ..... Oct 75
Drive simulates jet engine (1) ..... Oct 85
Boring mill control has 32-tool capacity (1) ..... Oct 87
Solid state control of electric drives—Part 4 (2) ..... Oct 96
Controlling Power Transmission Systems, Signal characteristics and practice—Part 1 (3) ..... Oct 131
Solid state control of electric drives—Part 5 (4) ..... Nov 51
Controlling Power Transmission Systems, Signal characteristics and practice—Part 2 (4) ..... Nov 65
Controlling Power Transmission Systems, Signal characteristics and practice—Part 3 (4) ..... Dec 67

1977

Gearbox test stand cuts energy costs (3) ..... Jan 34
Controlling Power Transmission Systems, Signal characteristics and practice — Part 4 (2) ..... Jan 127
Applying microcomputers to power transmission tests — Part 1 (4) ..... Feb 37
Solid state control of electric drives — Part 6 (3) ..... Feb 41
Monitoring load by detecting motor slip (2) ..... Feb 44

Controlling Power Transmission Systems, Signal characteristics and practice — Part 5 (3) ..... Feb 59
Controlling Power Transmission Systems, Sensors and transducers — Part 1 (4) ..... Mar 47
Applying microcomputers to power transmission tests — Part 2 (3) ..... Apr 53
Controlling Power Transmission Systems, Sensors and transducers — Part 2 (3) ..... Apr 69
Solid state control of electric drives — Part 7 (3) ..... May 48
Controlling Power Transmission Systems, Sensors and transducers — Part 3 (3) ..... May 63
Upgrading overhead crane drives (4) ..... Jun 63
Motors are protected in meat-packing plant (1-2/3) ..... Jun 68
Solid state control of electric drives — Part 8 (2) ..... Jun 70
Controlling Power Transmission Systems, Driver elements — Part 1 (4) ..... Jun 79
Bearing testing method checks shock energy (2) ..... Jul 38
Controlling Power Transmission Systems, Driver elements — Part 2 (5) ..... Jul 47
Marine drive designers meet supercarrier challenge (3) ..... Aug 39
Controlling Power Transmission Systems, Servomechanisms — Part 1 (2) ..... Aug 55
Controlling Power Transmission Systems, Servomechanisms — Part 2 (3) ..... Sep 35
In-line torque measurement and transducer basics (4) ..... Oct 89
Vibration analyses can forestall trouble (4) ..... Oct 95
Controlling Power Transmission Systems, Using computers with industrial systems — Part 1 (5) ..... Oct 161
Controlling Power Transmission Systems, Using computers with industrial systems — Part 2 (4) ..... Nov 73
Drive ideas flow from center pivot irrigation (3) ..... Dec 59
Controlling Power Transmission Systems, Using computers with industrial systems — Part 3 (4) ..... Dec 67

OTHER COMPONENTS

Title, length — **Month, page**

1975

Phase-adjusting hub keeps colors in line (2-1/3) ..... Feb 41
Polygon connections replace keys (1) ..... Feb 52
Elastomeric fasteners dampen noise—and more—in home ventilating units (1) ..... Mar 43
Using controlled stiffness and isolation in drives (3-1/2) ..... May 72
Drive components that run a V-belt life tester (2) ..... Aug 45
Double-tapered connection shrink fits without heat (1) ..... Oct 77

1976

Machine noise: What to do about it (4-1/3) ..... Apr 53
Nomograph gives maximum rated speed for flywheels and pulleys (2) ..... Apr 62
Finding a shaft center distance (1-1/3) ..... Apr 64
Frictional locking devices mount reducers on shafts (3) ..... Aug 41

1977

Energy outlook: What's coming? (5) ..... Jan 17
Power transmission in the energy industries (4) ..... Jan 26
Nomograph gives cast iron flywheel rim thickness (2) ..... Apr 56
Bearing testing method checks shock energy (2) ..... Jul 38
Drives to power train positioner-dumpers (4) ..... Aug 35
Marine drive designers meet supercarrier challenge (3) ..... Aug 39
Rising energy costs affect power transmission (1) ..... Sep 63
Vibration analyses can forestall trouble (4) ..... Oct 95

EDUCATION

Title, length — **Month, page**

1975

Controlling Power Transmission Systems, A Basic Education Series. See "Controls."
Focus on traction drives (1-2/3) ..... Mar 48
Chuck Yemington on single-phase-input d.c. drives: Speed-torque programs (1) ..... Mar 50
Blueprint and gavel, you and the law—The UCC—A case in point: The court's ruling (1) ..... Mar 64
Chuck Yemington on single-phase-input d.c. drives—More on torque programming (1) ..... Apr 69
Focus on traction drives (1) ..... May 84
Meeting metric—Chain drive in CGS and SI (1-2/3) ..... May 86
Blueprint and gavel, you and the law: Group liability (2/3) ..... Jun 70
Meeting Metric—More about chain drive in CGS and SI (2/3) ..... Jul 58
Focus on traction drives (1-1/3) ..... Aug 44
Chuck Yemington on single-phase-input d.c. drives—Braking: What to use (1) ..... Aug 53
Blueprint and gavel, you and the law—A continuing duty (2/3) Aug 56
Blueprint and gavel, you and the law—Second collision (2/3) ..... Sep 82
Focus on traction drives (1-1/3) ..... Oct 122
Meeting Metric—Law of the metre 1875-1975 (1) ..... Dec 35

1976

PTD's Bicentennial Review (4) ..... Jan 13
Historical highlights of associations (1-1/2) ..... Jan 48
Forward to 2000 (4) ..... Jan 50
Chuck Yemington on single-phase-input d.c. drives: Reversing with dynamic braking and regenerative drives (1) Feb 51
Focus on traction drives (1) ..... Apr 66
Write Angles: What do business letters really cost? (2/3) ..... Apr 82
Saving energy with industrial drive systems (1) ..... Jun 59
Meeting Metric—Inching toward metrication (2/3) ..... Jul 56
Saving energy with industrial drive systems (1) ..... Oct 93
Write Angles: Your company steals from my company (2/3) Oct 118
Meeting Metric—Lessons learned (1) ..... Oct 140
Saving energy with industrial drive systems (1) ..... Nov 55
Saving energy with industrial drive systems (1-1-3) ..... Dec 58

1977

Controlling Power Transmission Systems, A Basic Education Series. See "Controls."
Energy outlook: What's coming? (5) ..... Jan 17
Power transmission in the energy industries (4) ..... Jan 26
Meeting Metric — 76 Years of British Standards (2-1/3) ..... Mar 43
Saving energy with industrial drive systems (1-2/3) ..... May 52
Meeting Metric — How Fast? (2/3) ..... Jun 111
Testimony on motors to Senate committee (2) ..... Oct 105

Plan to attend
Power Transmission Design Show
Philadelphia Civic Center · Nov. 7-9, 1978